

- PET 1777
U.S. Serial No. 09/344,352



FRENCH PETROLEUM INSTITUTE

**HYDROCRACKING CATALYST WITH A DEALUMINIFIED ZEOLITE BASE AND A
MIXED SULFIDE PHASE THAT COMPRISSES SULFUR, AT LEAST ONE ELEMENT
OF GROUP VB, AT LEAST ONE ELEMENT OF GROUP VIB AND AT LEAST ONE
ELEMENT OF GROUP VIII**

Invention by Slavik KASZTELAN, Eric BENAZZI and Nathalie MARCHAL-
GEORGE

RECEIVED

DEC 12 2001

TC 1700

ABSTRACT

This invention relates to a catalyst for hydrocracking feedstocks that contain hydrocarbon and that comprise at least one zeolite Y that is at least partially dealuminified, at least one matrix that is selected from the group that is formed by the mineral matrices, at least one mixed sulfide phase that comprises sulfur and at least one element of group VB as well as at least one element of group VIB and at least one metal of group VIII, and optionally at least one element that is selected from the group that is formed by silicon, boron or phosphorus, and optionally at least one element of group VIIA.